Distributed Systems

COMP90015 2017 Semester 1

Week 11

Tutorial 10

Things to cover today

- Quiz 6: Operating System Support
- Quiz 7: Security
- Distributed File System (DFS) questions

Distributed File System (DFS) questions

1. What are some key design issues for distributed file systems?

2. Name and explain three transparencies that should
be addressed by distributed file systems.

3. What are the advantages and disadvantages of using absolute names as a
naming strategy?

4. What are the advantages and disadvantages of a naming strategy based on
mount points?

5. What are the advantages and disadvantages of using a global name space
naming strategy?

Continue

6. What are the advantages and disadvantages of the following simple distributed file system?

7. What are the advantages and disadvantages of the following distributed file system?

8. Discuss the advantages and disadvantages of storing client cache files on disk and on memory?

9. Discuss the advantages and disadvantages of a write-through client cache update policy.

10. Explain the two conditions used in NFS to determine whether a cache block at the client is valid or invalid. Explain which condition is tested first and why.